

Express Mail No.: EL615431388US

04-15-e4

Date Mailed: April 13, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of:

Rong Chang-LIANG, *et al.*

Appl. No. 10/766,757

Filed: January 27, 2004

For: HIGH PERFORMANCE CAPSULES
FOR ELECTROPHORETIC DISPLAYS

Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

Atty. Docket: 07783.0088.NPUS01

Information Disclosure Statement

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted

to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120.
1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

- 1. This Information Disclosure Statement is being filed;
 - a. Within three months of the U.S. filing date of a national application other than a continued prosecution application under §1.53(d);
 - ☐ b. Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
 - ☐ c. Before the mailing date of a first Office Action on the merits;
 - ☐ d. Before the mailing of a first Office Action after filing of a request for continued examination under § 1.115.

No statement under 37 C.F.R. § 1.97(e) or fee is required.

or;

- ☐ 2. This Information Disclosure Statement is being filed after the period specified in paragraph 1(a)-1(d) above, but before the mailing date of a Final Rejection or Notice of Allowance, or action that otherwise closes prosecution in the application, and
 - ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
 - ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2), or
 - ☐ c. Attached is our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p).

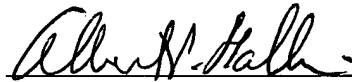
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but on or before payment of the Issue Fee. Attached is our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(i), and
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 4. Relevance of the non-English language document(s) is discussed in the present specification.
- ☐ 5. The document(s) was/were cited in a corresponding foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- ☐ 7. The Examiner's attention is directed to co-pending U.S. Patent Application No. _____, filed _____, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 07783.0088.NPUS01.

Respectfully submitted,

Date: April 13, 2004



Albert P. Halluin (Reg. No. 25,227)

Viola T. Kung (Reg. No. 41,131)

HOWREY SIMON ARNOLD & WHITE, LLP

301 Ravenswood Avenue

Box No. 34

Menlo Park, CA 94025

Tel: (650) 463-8109

Tel: (650) 463-8181

Fax: (650) 463-8400



INFORMATION DISCLOSURE CITATION SUPPLEMENTAL PTO-1449	ATTY. DOCKET NO. 07783.0088NPUS01	SERIAL NO. 10/766,757
	APPLICANT : Liang, et al.	
	FILING DATE January 27, 2004	GROUP

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	3,612,758	Oct. 12, '71	Evans, et al			
	5,961,804	Oct. 05, '99	Jacobson, et al			
	5,930,026	Jul. 27, '99	Jacobson, et al			
	6,017,584	Jan. 25, '00	Albert, et al			
	6,067,185	May 23, '00	Albert, et al			
	6,262,706	July 17, '01	Albert, et al			
	6,473,072	Oct. 29, '02	Comiskey, et al			
	3,281,426	Oct. 25, '66	Tiers			
	6,120,588	Sept. 19, '00	Jacobson			
	6,120,839	Sept. 19, '00	Comiskey, et al			
	6,130,774	Oct. 10, '00	Albert, et al			
	6,172,798	Jan. 01, '01	Albert, et al			
	6,177,921	Jan. 23, '01	Comiskey, et al			
	6,249,271	Jun. 19, '01	Albert, et al			
	USSN 60/345,936					
	USSN 60/345,934					
	USSN 10/335,210					
	USSN 10/335,051					
	USSN 60/400,021					
	USSN 60/418,078					
	USSN 10/632,171					
	USSN 60/381,263					
	USSN 10/439,428					

	USSN 60/411,854						
	USSN 10/663,249						
	US Patent Publication No. 2002/0185378						
	U.S. Patent Publication No. 2001/005000						
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE MM/YYYY	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 00/03291	01/2000	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	WO 00/20921	04/2000	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	WO 00/20922	04/2000	PCT			<input type="checkbox"/>	<input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Allen, K. « Electrophoretics Fulfilled », iSuppli Corporation, Emerging Displays Review, Oct. 2003, pp 9-14						
	Chen, S.M., « The Applications for the Revolutionary Electronic Paper Technology », OPTO News & Letters, 2003, July, 102, pp 37-41 (in Chinese, English abstract attached, full translation available upon request)						
	Chen, S.M., « The New Applications and the Dynamics of Companies », TRI, May, 2003 (in Chinese, English abstract attached, full translation available upon request)						
	Chung, J. Et al. « Microcup(R) Electrophoretic Displays, Grayscale and Color Rendition », IDW '03, pp 243-246						
	Drzaic, "Liquid Crystal Dispersions", World Scientific Publishing Co., 1995						
	Gutcho, "Microcapsules and Microencapsulation Techniques", Noyes Data Corp., Park Ridge, N. J. (1976)						
	Hopper M. A. and Novotny V., IEEE Transactions on Electron Devices, 26(8), pp. 1148-1152 (1979)						
	Kondo, A., "Microcapsule Processing and Technology", Marcel Dekker, Inc. (1979)						
	Liang, R.C. and Lee, H., « SiPix Microcup(R) Electronic Paper – An Introduction », Advanced Display, 2003, Issue 3, pp 4-9 (in Chinese, English abstract attached, full translation available upon request)						
	Liang, R.C. and Tseng, S., « Microcup(R) LCD, A New Type of Dispersed LCD by A Roll-to-Roll Manufacturing Process », IDMC '03, Taipei, Liang, Paper We-02-04						
	Liang, R.C. et al, « Microcup Electrophoretic Displays by Roll-to-Roll Manufacturing Processes », IDW '02, pp1337-1340						
	Liang, R.C. et al, « Microcup(R) Active and Passive Matrix Electrophoretic Displays by A Roll-to-Roll Manufacturing Processes », SID Digest, 2003, 20.1/R.C. Liang						

	Liang, R.C. et al, « Microcup(R) displays: Electronic Paper by Roll-to-Roll Manufacturing Processes », Journal of the SID, 11/4, 2003, pp 621-628
	Liang, R.C. et al, « Passive Matrix Microcup(R) Electrophoretic Displays », IDMC '03, Taipei, Liang, Paper Fr-17-5
	Liang, R.C., « Microcup(R) Electrophoretic and Liquid Crystal Displays by Roll-to-Roll Manufacturing Processes », USDC Flexible Microelectronics & Displays Conference, Phoenix, Arizona, USA.
	Vandegaer, J. E., ed. "Microencapsulation: Processes and Applications", Plenum Press, New York, N. Y. (1974)
	Zang, H.M. and Liang, R.C., « Microcup Electronic Paper by Roll-to-Roll Manufacturing Processes », Spectrum, 2003, 16/2, pp16-21
EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	
*If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identical in the statement and relied upon for an earlier filing date under 35 U.S.C. §120. 37 C.F.R. §1.98 (d).	